EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Comparing Quantities

Grade : CBSE Grade VIII

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1. If the compound interest amount for a certain principal is ₹22898.00 for 2 year(s) at an ROI of 7.00% p.a. computed annually, then interest is

   (i) ₹2899.00 (ii) ₹2896.00 (iii) ₹2898.00 (iv) ₹2897.00 (v) ₹2900.00

2. If 'a' is short of 'b' by x%, then 'b' exceeds 'a' by

   (i) $[\frac{100 - x}{x} \times 100]\%$ (ii) $[\frac{100 + x}{x} \times 100]\%$ (iii) $[\frac{x}{100 + x} \times 100]\%$ (iv) $[\frac{x}{100 - x} \times 100]\%$

3. Calculate the amount on ₹15000.00 for 3 years 8 months at 3.00% p.a. compounded annually

   (i) ₹16717.72 (ii) ₹16719.72 (iii) ₹16718.72 (iv) ₹16716.72 (v) ₹16720.72

4. If the price of a commodity increases by 15.00%, the reduction in consumption so as not to increase the expenditure is

   (i) 15.04% (ii) 14.04% (iii) 13.04% (iv) 12.04% (v) 11.04%

5. A bag contains ₹954 in the form of five-rupee, two-rupee and one-rupee coins in the ratio 8 : 4 : 5. Find the number of coins of each type

   (i) 142 , 77 , 90 (ii) 144 , 72 , 90 (iii) 143 , 72 , 95 (iv) 146 , 67 , 90 (v) 145 , 77 , 85

6. Find the ratio between 5 l and 7 kl

   (i) 1:1403 (ii) 0:1400 (iii) 1:1398 (iv) 1:1400

7. Find cost price formula.

   (i) $\frac{100}{100 + \text{gain}\%} \times \text{S.P}$ (ii) $\frac{100 + \text{loss}\%}{100} \times \text{S.P}$ (iii) $\frac{100}{100 + \text{loss}\%} \times \text{S.P}$ (iv) $\frac{100 + \text{gain}\%}{100} \times \text{S.P}$

8. If the price of a commodity decreases by 2.00%, the increase in consumption so as to match the expenditure is

   (i) 2.04% (ii) 4.04% (iii) 1.04% (iv) 0.04% (v) 3.04%

9. If C.P = ₹3740.00 and loss % = 20.05%, then S.P =

   (i) ₹2990.00 (ii) ₹2840.00 (iii) ₹3260.00 (iv) ₹2810.00 (v) ₹3060.00

10. If the simple interest on a certain principal is ₹1200.00 for 3 year(s) at ROI 8.00% p.a. computed half yearly, then the compound interest for the same principal, terms and ROI =

    (i) ₹1327.60 (ii) ₹1325.60 (iii) ₹1324.60 (iv) ₹1328.60 (v) ₹1326.60

11. The ages of A and B are in the ratio 2 : 3. 7 years ago, their ages were in the ratio 5 : 8. Find their present ages.

    (i) 46:69 (ii) 40:60 (iii) 38:57 (iv) 42:63

12. If 'a' exceeds 'b' by 18.00%, then 'b' is short of 'a' by

    (i) 17.25% (ii) 14.25% (iii) 13.25% (iv) 15.25% (v) 16.25%

13. 109.21 is what percentage of 292?

(i) 39.40% (ii) 37.40% (iii) 36.40% (iv) 35.40% (v) 38.40%

14. If S.P = ₹2670.00 and discount = ₹960.00, then discount % =

(i) 26.45% (ii) 29.45% (iii) 21.45% (iv) 31.45% (v) 23.45%

15. If the price of a commodity inclusive of sales tax is ₹14300.00 and the marked price is ₹13000.00, the rate of sales tax =

(i) 13.00% (ii) 7.00% (iii) 10.00% (iv) 15.00% (v) 5.00%

16. If M.P = ₹3950.00 and discount = ₹520.00, then discount % =

(i) 8.16% (ii) 18.16% (iii) 16.16% (iv) 13.16% (v) 10.16%

17. If 26.00% and 26.00% are two successive changes, then the overall change is

(i) 60.76% (ii) 58.76% (iii) 57.76% (iv) 56.76% (v) 59.76%

18. If the price of a commodity inclusive of sales tax is ₹13382.40, the marked price is ₹16000.00 and the rate of discount is 18.00%, the rate of sales tax =

(i) 2.00% (ii) 4.00% (iii) 1.00% (iv) 0.00% (v) 3.00%

19. The present value of a machine is ₹8000.00. Suppose it depreciates at the rate of 4.00% per annum, what is the value of the machine after 2 year(s)?

(i) ₹7374.80 (ii) ₹7371.80 (iii) ₹7372.80 (iv) ₹7370.80 (v) ₹7373.80

20. In a school of 900 students, 585 students are boys. The number of boys who failed the final exam is 395. The number of girls who failed is 255. The percentage of students who failed the exam =

(i) 70.22% (ii) 71.22% (iii) 74.22% (iv) 72.22% (v) 73.22%

21. If the marked price of a commodity is ₹17000.00 and the rate of sales tax is 6.00%, the sales tax =

(i) ₹1280.00 (ii) ₹1020.00 (iii) ₹750.00 (iv) ₹890.00 (v) ₹1170.00

22. The cost of an article is ₹230.00. If it is decreased by 36.00%, what is the new cost of the article?

(i) ₹149.20 (ii) ₹147.20 (iii) ₹148.20 (iv) ₹146.20 (v) ₹145.20

23. If principal is ₹5000.00 and compound interest amount is ₹7401.22 for 5 year(s) computed half yearly, then interest is

(i) ₹2402.22 (ii) ₹2400.22 (iii) ₹2399.22 (iv) ₹2401.22 (v) ₹2403.22

24. In a school of 700 students, 315 students are boys. The number of boys who failed the final exam is 135. The number of girls who failed is 195. The percentage of girls who failed the exam =

(i) 52.65% (ii) 50.65% (iii) 51.65% (iv) 49.65% (v) 48.65%

25. If ROI is 7.00% p.a., no of year(s) is 2 and accumulated compound interest is ₹2173.50 computed annually, then principal is

(i) ₹15000.00 (ii) ₹15001.00 (iii) ₹14998.00 (iv) ₹14999.00 (v) ₹15002.00

Assignment Key

1) (iii)	2) (iv)	3) (iii)	4) (iii)	5) (ii)	6) (iv)
7) (i)	8) (i)	9) (i)	10) (v)	11) (iv)	12) (iv)
13) (ii)	14) (i)	15) (iii)	16) (iv)	17) (ii)	18) (i)
19) (iii)	20) (iv)	21) (ii)	22) (ii)	23) (iv)	24) (ii)
25) (i)					